



ENVIRONMENTAL CONSULTANTS

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**Crawford Station MGP Site  
Chicago, Illinois**

**Weekly Field Progress Report**

Report Date: March 22, 2012

Prepared By: Natural Resource Technology, Inc. (NRT)  
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Submitted To: Integrys Business Support, LLC (IBS)  
Naren M. Prasad, PE

Activity Period: March 11, 2012 through March 17, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

<b>Task</b>	<b>Environmental Activities</b>
General Description of Work Performed:	<p>The following activities were conducted:</p> <ul style="list-style-type: none"><li>• Areas AA, L, M, and N are being excavated to between five and eight feet bgs to allow for installation of bracing wall for the sheetpile wall.</li><li>• Sewer in area AA is sloped from north to south. Crown of sewer located approximately five feet bgs in north portion of AA</li><li>• Areas O, P, Q, and R are being backfilled with crushed limestone as well as clean overburden from Area I.</li><li>• Excavated soils were loaded and transported to Waste Managements' Laraway Road RDF landfill for disposal.</li><li>• NRT conducted air monitoring activities including DustTraks, SUMMAs, and PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.</li><li>• Utilized GPS to locate pertinent items and features.</li><li>• Wastewater is being treated on-site and discharged into the City of Chicago sewer.</li></ul>
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"><li>• DustTraks collected data each day and data has been downloaded for analysis.</li><li>• Three SUMMA canisters were deployed on March 13, 2012 and sent to STAT Laboratory for analysis for BTEX and Naphthalene.</li></ul>

<b>Task</b>	<b>Environmental Activities</b>
NRT Field Personnel:	Timothy B. Norris, PG, Ronald J. Horan, Kyle J. Bareither
Equipment Deployed:	SUMMA Canisters DustTraks PIDs
Field Photos:	See attached sheets.

Metropolitan Water Reclamation District (MWRD) permit has been approved. Water is being pumped from the excavation and sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system. Monitoring of effluent discharge will be conducted monthly in accordance with the MWRD permit.

Work planned for the coming week, March 18, 2012 through March 24, 2012, is as follows:

- Excavate Areas L, M, N, and AA and conduct appropriate excavation wall and floor soil sampling. Soil samples will be analyzed for TPH DRO, TPH GRO, site-specific PAHs, PVOCs, site-specific metals, site-specific phenols, and cyanide.
- Install the sheet pile stabilization wall parallel to sheetpile wall.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation and air sampling from Pace Laboratory and STAT laboratory.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Timothy B. Norris, PG  
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

### Field Photos:



Photo 1: View of crushed limestone being used for backfill

Direction: Facing west.

Photo Date: 3/12/2012

Photo Taken By: RJH



Photo 2: Area O/P/Q/R being backfilled.

Direction: Facing southwest.

Photo Date: 3/12/2012

Photo Taken By: RJH



Photo 3: Backfill being compacted

Direction: Facing west.

Photo Date: 3/13/2012

Photo Taken By: RJH

**Field Photos (continued):**



Photo 4: View of the exposed sewer

Direction: Facing north.

Photo Date: 3/13/2012

Photo Taken By: RJH



Photo 5: View of north end of Area AA being excavated

Direction: Facing north.

Photo Date: 3/16/2012

Photo Taken By: KJB



Photo 6: Stockpile and truck loading area for Area I.

Direction: Facing southwest.

Photo Date: 3/16/2012

Photo Taken By: KJB



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Week of: 3/11/12 to 3/17/12

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**Subject: Site Remediation – Construction Management  
Peoples Gas – Former Crawford Station**

**Burns & McDonnell Personnel Onsite**

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Others

- None

**Subcontractors Onsite**

- Tecnica Environmental Services
- Thatcher Foundations
- Helm Electrical Services

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber and Steve Jiskra)

**Integrays Peoples Gas Personnel Onsite**

- Naren Prasad
- Tim Welsh
- Hanna Conger

**Miscellaneous Visitors**

- Sal Sanchez (Comed)
- Richard Ochoa (Comed)
- Anthony Ries (Comed)
- Don Ballard (Comed)

**Site Activities**

**BURNS & MCDONNELL**

- Managed site activities with Tecnica Environmental, Thatcher, and Helm Electrical Services on site;
- Escorted Integrays personnel on site visit;
- Issued trucking tracking forms for all excavated soils from Areas L, M, N, and AA;
- Tracked 159 loads for Biopile soils and 43 loads for Direct Disposal at Laraway Landfill;
- Received no loads of wood chips for odor control and moisture containment;
- Received 120 loads of CA-6 and 106 loads of RR-2 for backfilling area O, Q, P, and R;
- Pumped and discharged 201,173 gallons of treated excavation water to MWRD;
- Participated in daily subcontractor pre-task analysis safety meetings on site;
- Conducted periodic health and safety air monitoring in excavation area;
- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management; and



- Monitored site conditions for traffic, dust, odor and overall safety.

#### **TECNICA ENVIRONMENTAL SERVICES**

- Loaded out soils from Areas AA, L, M, N and I;
- Controlled odors through foaming and wood chips use;
- Tecnica continued breaking concrete generated from Area C, E, G, I, L, M, N and AA;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials; and
- Assisted Thatcher in placing walers along the anchor wall.

#### **THATCHER FOUNDATIONS**

- Completed installing walers in north half of site reaction wall; and
- Started installing walers in north half of site anchor wall.

#### **HELM ELECTRICAL SERVICES**

- Performed routine weekly maintenance on power generators and fuel tanks;
- Energized 240V service for the Water Treatment System with Comed; and
- Disconnected the SW generator.

#### **Changes to Scope of Work**

- Areas L, M, and N top 8 feet full of concrete, asphalt, bricks, and other debris that required landfill disposal, with only small amounts usable as clean overburden backfill; and
- ComEd had not correctly identified the voltage in the feeder lines into the northeast corner of site (by the construction trailers, etc.), and have now told us they can only supply 480v power. This requires Helm Electrical Services to prepare and supply a transformer on site as an additional piece of equipment for 120v service. ComEd's costs would have been much higher to put up a pole with new transformers to give us the service for 120v, and would have delayed service several more weeks.

#### **Open/Outstanding Items**

- None.

#### **Anticipated Activities for the Week of March 18, 2012**

- ComEd supply 480 volt power to northeast corner of site;
- Helm Electrical Services will supply an on-site transformer and connect to ComEd supply;
- Continue to excavate and load soils and debris for disposal from Areas L M, N, AA and R;
- Thatcher will continue to install bracing on north half of sheeting;
- Expose top of Chicago Sanitary Sewer line to prepare for Area AA excavation;
- Backfill in Areas O, P, Q and R; and
- Reestablish haul road south of amendment pad.



**Crawford Station Site:**

**Remediation**

Date: March 9, 2012

Description: Looking northwest at 10-foot excavation along west property line sheeting wall. Anchor wall for bracing has been driven to depth.



**Crawford Station Site:**

**Remediation**

Date: March 12, 2012

Description: Welding walers for bracing on the west sheeting wall. View is to the west.



**Crawford Station Site:**

**Remediation**

Date: March 12, 2012

Description: The southwest corner of the work area, with white PVC pipes on top of anodes with the wires attached. Five anodes located by hand digging. Looking northwest.



**Crawford Station Site:**

**Remediation**

Date: March 16, 2012

Description: Excavating to 8 feet in southwest corner of sheeting. Area is full of concrete debris, asphalt, pieces of brick walls. Very little backfill material was available here. View is to west.





**Crawford Station Site:**

**Remediation**

Date: March 16, 2012

Description: The first walers have been welded in place on anchor wall sheets in preparation to install bracing rakers. View is to the south.



**Crawford Station Site:**

**Remediation**

Date: March 12, 2012

Description: Looking to south at the arched concrete roof of the large sewer running from the north to the south in the middle of the work area.



**Crawford Station Site:**

**Remediation**

Date: March 14, 2012

Description: Backfill being placed in Areas O, P, Q, and R. The layer of water-bridging CA-1 stone is being locked in place with compacted CA-6 on top. View is to northeast.



**Crawford Station Site:**

**Remediation**

Date: March 14, 2012

Description: Looking to northeast across Areas Q and R, at the first lift of clean overburden soils used as backfill, being compacted by vibratory roller.